

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

			Location	UNK	UNK	UNK	UNK
			Sample ID	ADWS-IT1-150807-21	ADWS-IT1-150807-22	ADWS-IT2-150807-21	FWS-ARP2-150807-21
			Date	8/7/2015	8/7/2015	8/7/2015	8/7/2015
			Sample Time				
			Latitude				
Analyte	CAS.NO	Units	Longitude				
General							
Alkalinity	STL00171	mg/L		92	93	93	91
pH	STL00204	SU		8.17 HF	8.26 HF	8.2 HF	8.31 HF
Total Hardness	STL00009	mg/L		180	180	180	210
Total Suspended Solids	STL00161	mg/L		23	24	21	43
Metals, Dissolved							
Aluminum, Dissolved	7429-90-5	mg/L		0.032 J	0.034 J	0.03 J	0.029 J
Antimony, Dissolved	7440-36-0	mg/L		< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/L		0.00052 J	0.00057 J	0.00054 J	0.00074 J
Barium, Dissolved	7440-39-3	mg/L		0.066	0.066	0.067	0.069
Beryllium, Dissolved	7440-41-7	mg/L		< 0.0004 U	< 0.0004 U	< 0.0004 U	< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/L		< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/L		58	58	59	68
Chromium, Dissolved	7440-47-3	mg/L		< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/L		0.00012 J	0.00013 J	0.00013 J	0.00016 J
Copper, Dissolved	7440-50-8	mg/L		0.001	0.0011	0.0011	0.0012
Iron, Dissolved	7439-89-6	mg/L		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Lead, Dissolved	7439-92-1	mg/L		< 0.0003 U	< 0.0003 U	0.000061 J	< 0.0003 U
Magnesium, Dissolved	7439-95-4	mg/L		8.5	8.5	8.3	9.6
Manganese, Dissolved	7439-96-5	mg/L		0.0071	0.0078	0.0071	0.021
Mercury, Dissolved	7439-97-6	mg/L		< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/L		0.001	0.0011	0.001	0.0012
Nickel, Dissolved	7440-02-0	mg/L		0.0014	0.0014	0.0014	0.0015

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Potassium, Dissolved	7440-09-7	mg/L	Potassium, Dissolved	7440-09-7	mg/L		2.2	2.2
Selenium, Dissolved	7782-49-2	mg/L	Selenium, Dissolved	7782-49-2	mg/L		< 0.002 U	< 0.002 U
Silver, Dissolved	7440-22-4	mg/L	Silver, Dissolved	7440-22-4	mg/L		< 0.001 U	< 0.001 U
Sodium, Dissolved	7440-23-5	mg/L	Sodium, Dissolved	7440-23-5	mg/L		14	14
Thallium, Dissolved	7440-28-0	mg/L	Thallium, Dissolved	7440-28-0	mg/L		< 0.0002 U	< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/L	Vanadium, Dissolved	7440-62-2	mg/L		0.00032 J	< 0.001 U
Zinc, Dissolved	7440-66-6	mg/L	Zinc, Dissolved	7440-66-6	mg/L		< 0.02 U	< 0.02 U
Metals, Total			Metals, Total					
Aluminum, Total	7429-90-5	mg/L	Aluminum, Total	7429-90-5	mg/L		0.6	0.66
Antimony, Total	7440-36-0	mg/L	Antimony, Total	7440-36-0	mg/L		< 0.001 U	< 0.001 U
Arsenic, Total	7440-38-2	mg/L	Arsenic, Total	7440-38-2	mg/L		0.00061 J	0.00084 J
Barium, Total	7440-39-3	mg/L	Barium, Total	7440-39-3	mg/L		0.071	0.072
Beryllium, Total	7440-41-7	mg/L	Beryllium, Total	7440-41-7	mg/L		< 0.0004 U	< 0.0004 U
Cadmium, Total	7440-43-9	mg/L	Cadmium, Total	7440-43-9	mg/L		0.000099 J	0.00011
Calcium, Total	7440-70-2	mg/L	Calcium, Total	7440-70-2	mg/L		58	58
Chromium, Total	7440-47-3	mg/L	Chromium, Total	7440-47-3	mg/L		< 0.002 U	< 0.002 U
Cobalt, Total	7440-48-4	mg/L	Cobalt, Total	7440-48-4	mg/L		0.00032 J	0.00035 J
Copper, Total	7440-50-8	mg/L	Copper, Total	7440-50-8	mg/L		0.0024	0.0027
Iron, Total	7439-89-6	mg/L	Iron, Total	7439-89-6	mg/L		0.48	0.53
Lead, Total	7439-92-1	mg/L	Lead, Total	7439-92-1	mg/L		0.002	0.0022
Magnesium, Total	7439-95-4	mg/L	Magnesium, Total	7439-95-4	mg/L		8.5	8.5
Manganese, Total	7439-96-5	mg/L	Manganese, Total	7439-96-5	mg/L		0.06	0.065
Mercury, Total	7439-97-6	mg/L	Mercury, Total	7439-97-6	mg/L		< 0.0002 U	< 0.0002 U
Molybdenum, Total	7439-98-7	mg/L	Molybdenum, Total	7439-98-7	mg/L		0.0011	0.001
Nickel, Total	7440-02-0	mg/L	Nickel, Total	7440-02-0	mg/L		0.0016	0.0018
Potassium, Total	7440-09-7	mg/L	Potassium, Total	7440-09-7	mg/L		2.3	2.3
Selenium, Total	7782-49-2	mg/L	Selenium, Total	7782-49-2	mg/L		< 0.002 U	< 0.002 U
Silver, Total	7440-22-4	mg/L	Silver, Total	7440-22-4	mg/L		< 0.001 U	< 0.001 U
Sodium, Total	7440-23-5	mg/L	Sodium, Total	7440-23-5	mg/L		14	14
Thallium, Total	7440-28-0	mg/L	Thallium, Total	7440-28-0	mg/L		0.00015 J	< 0.0002 U

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Vanadium, Total	7440-62-2	mg/L	Vanadium, Total	7440-62-2	mg/L		0.0008 J	0.00094 J
Zinc, Total	7440-66-6	mg/L	Zinc, Total	7440-66-6	mg/L		0.02	0.021

Bold - Bolded results identify a detected value. Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data estimated as a qualifier (also applied to all MDL) less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit. PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier. U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier. D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter) mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter) ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

			UNK	UNK	UNK
			ADWS-IT2-150807-21	FWS-ARP2-150807-21	LVW-FD-150807-21
			8/7/2015	8/7/2015	8/7/2015
Analyte	CAS.NO	Units			
General					
Alkalinity	STL00171	mg/L	93	91	120
pH	STL00204	SU	8.2 HF	8.31 HF	8.11 HF
Total Hardness	STL00009	mg/L	180	210	230
Total Suspended Solids	STL00161	mg/L	21	43	36
Metals, Dissolved					
Aluminum, Dissolved	7429-90-5	mg/L	0.03 J	0.029 J	< 0.2 U
Antimony, Dissolved	7440-36-0	mg/L	< 0.001 U	< 0.001 U	< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/L	0.00054 J	0.00074 J	0.0011
Barium, Dissolved	7440-39-3	mg/L	0.067	0.069	0.11
Beryllium, Dissolved	7440-41-7	mg/L	< 0.0004 U	< 0.0004 U	< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/L	< 0.0001 U	< 0.0001 U	< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/L	59	68	77
Chromium, Dissolved	7440-47-3	mg/L	< 0.002 U	< 0.002 U	< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/L	0.00013 J	0.00016 J	0.00022 J
Copper, Dissolved	7440-50-8	mg/L	0.0011	0.0012	0.0014
Iron, Dissolved	7439-89-6	mg/L	< 0.05 U	< 0.05 U	0.042 J
Lead, Dissolved	7439-92-1	mg/L	0.000061 J	< 0.0003 U	0.00018 J
Magnesium, Dissolved	7439-95-4	mg/L	8.3	9.6	10
Manganese, Dissolved	7439-96-5	mg/L	0.0071	0.021	0.024
Mercury, Dissolved	7439-97-6	mg/L	< 0.0002 U	< 0.0002 U	< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/L	0.001	0.0012	0.0015
Nickel, Dissolved	7440-02-0	mg/L	0.0014	0.0015	0.0021

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Potassium, Dissolved	7440-09-7	mg/L	2.2	2.4	2.8
Selenium, Dissolved	7782-49-2	mg/L	< 0.002 U	< 0.002 U	< 0.002 U
Silver, Dissolved	7440-22-4	mg/L	< 0.001 U	< 0.001 U	< 0.001 U
Sodium, Dissolved	7440-23-5	mg/L	13	22	31
Thallium, Dissolved	7440-28-0	mg/L	0.00011 J	< 0.0002 U	< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/L	< 0.001 U	< 0.001 U	0.00044 J
Zinc, Dissolved	7440-66-6	mg/L	< 0.02 U	< 0.02 U	< 0.02 U
Metals, Total					
Aluminum, Total	7429-90-5	mg/L	0.54	1.4	2.3
Antimony, Total	7440-36-0	mg/L	< 0.001 U	< 0.001 U	< 0.001 U
Arsenic, Total	7440-38-2	mg/L	0.00063 J	0.00081 J	0.0014
Barium, Total	7440-39-3	mg/L	0.071	0.079	0.12
Beryllium, Total	7440-41-7	mg/L	< 0.0004 U	< 0.0004 U	< 0.0004 U
Cadmium, Total	7440-43-9	mg/L	0.00011	0.000092 J	0.000064 J
Calcium, Total	7440-70-2	mg/L	58	67	75
Chromium, Total	7440-47-3	mg/L	< 0.002 U	< 0.002 U	0.0012 J
Cobalt, Total	7440-48-4	mg/L	0.0003 J	0.00052	0.00056
Copper, Total	7440-50-8	mg/L	0.0023	0.0031	0.0031
Iron, Total	7439-89-6	mg/L	0.42	1	1.4
Lead, Total	7439-92-1	mg/L	0.0017	0.0026	0.0029
Magnesium, Total	7439-95-4	mg/L	8.2	9.6	10
Manganese, Total	7439-96-5	mg/L	0.053	0.091	0.083
Mercury, Total	7439-97-6	mg/L	< 0.0002 U	< 0.0002 U	< 0.0002 U
Molybdenum, Total	7439-98-7	mg/L	0.001	0.0012	0.0015
Nickel, Total	7440-02-0	mg/L	0.0016	0.0021	0.0024
Potassium, Total	7440-09-7	mg/L	2.3	2.6	3.2
Selenium, Total	7782-49-2	mg/L	< 0.002 U	< 0.002 U	< 0.002 U
Silver, Total	7440-22-4	mg/L	< 0.001 U	< 0.001 U	< 0.001 U
Sodium, Total	7440-23-5	mg/L	13	22	29
Thallium, Total	7440-28-0	mg/L	< 0.0002 U	< 0.0002 U	< 0.0002 U

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Vanadium, Total	7440-62-2	mg/L	0.00083 J	0.0019	0.0031
Zinc, Total	7440-66-6	mg/L	0.019 J	0.02	0.013 J

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg